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## Patent Abstracts of Japan

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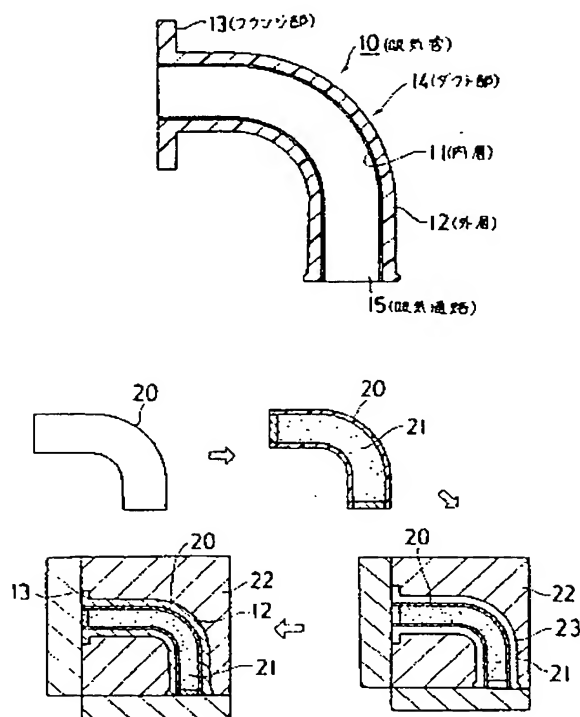
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TITLE : SUCTION PIPE MADE OF SYNTHETIC  
RESIN FOR ENGINE AND ITS  
MANUFACTURE



ABSTRACT : PURPOSE: To enable the suction path having two dimensional or mote complicated shape which is not capable of molding by injection molding to be achieved, while enabling ensuring the shape and the surface accuracy of a flange part which is not capable of molding by flow molding to be achieved by means of using the core in which the blow molding becoming the suction path of inner layer after molding is filled with sand, etc.

CONSTITUTION: The bent pipe 20 corresponding to the shape of the duct part 14 in an objective suction pipe is made by below molding. The blow molded bent pipe 20 is filled with the material 21, e.g. fine sand which does not deform the shape of the bent pipe 20 against the high pressure at injection molding. Then, the bent pipe 20 is set, as a core, in the mold 22 for injection molding. Synthetic resin is injected into the mold 22 for injection molding, and the space 23 defined by the mold 22 and the bent pipe 20 is filled with the resin. Consequently, while covering integrally the outside of the bent pipe 20 with injected synthetic resin and molding an outer layer 12, a flange part 13 is molded at one end. The molding is taken out, disassembling the mold 22, and the filler 21 in the bent pipe 20 is taken out, whereby the suction pipe 10 is obtained.

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